

## ABSTRACT OF THE DISCLOSURE

A process for the desulfurization of hydrocarbonaceous oil wherein the hydrocarbonaceous oil is contacted with a hydrodesulfurization catalyst in a hydrodesulfurization reaction zone to reduce the sulfur level to a relatively low level then contacting the resulting hydrocarbonaceous stream from the hydrodesulfurization zone with an oxidizing agent to convert the residual, low level of sulfur compounds into sulfur-oxidated compounds. The resulting hydrocarbonaceous oil stream containing the sulfur-oxidated compounds is separated after decomposing any residual oxidizing agent by contacting the stream with an adsorbent material to adsorb the sulfur-oxidated compounds to produce a hydrocarbonaceous oil stream having a reduced concentration of sulfur-oxidated compounds. The spent adsorbent is regenerated and subsequently returned to adsorbent service.